

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Susumu Hashimoto et al.
 Title: MAGNETORESISTANCE EFFECT ELEMENT WITH
 IMPROVED ANTIFERROMAGNETIC LAYER
 Prior Appl. No.: 09/146,222
 Prior Appl. Filing Date: 09/02/1998
 Prior. Appl. Examiner: W. Korzuch
 Prior Appl. 2754
 Art Unit:

CONTINUING PATENT APPLICATION
TRANSMITTAL LETTER

Commissioner for Patents
 Box PATENT APPLICATION
 Washington, D.C. 20231

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is a:

☒ Continuation ☐ Division ☐ Continuation-In-Part (CIP)

of the above-identified copending prior application in which no patenting, abandonment, or termination of proceedings has occurred. Priority to the above-identified prior application is hereby claimed under 35 U.S.C. § 120 for this continuing application. The entire disclosure of the above-identified prior application is considered as being part of the disclosure of the accompanying continuing application and is hereby incorporated by reference therein.

☐ Applicant claims small entity status under 37 CFR 1.27.

Enclosed are:

- ☒ Specification, Claim(s), Drawings, and Abstract (21 pages)
- ☒ Reissue Declaration under 37 C.F.R. § 1.175 (7 pages)
- ☒ Assent of Assignee (copy from parent application)
- ☒ Revocation and New Power of Attorney (copy from parent application)
- ☒ Offer to Surrender (copy from parent application)
- ☒ Certificate under 37 C.F.R. 3.73(b) (copy from parent application)
- ☒ Information Disclosure Statement



09/02/1998

☒ Form PTO-1449☒ Preliminary Amendment

☒ A Petition for Extension of Time (5 Months) and appropriate fee is being filed in the U.S. Patent and Trademark Office today, February 20, 2001, in parent application 09/146,222. This extension of time is timely filed because February 18, 2001 fell on a Sunday, and Monday, February 19, 2001 was a federal holiday.

The filing fee is calculated below:

	Claims as Filed	Included in Basic Fee	Extra Claims	Rate	Fee Totals
Basic Fee				\$710.00	\$710.00
Total Claims:	27	- 20	= 7	x \$18.00	= \$126.00
Independents:	3	- 3	= 0	x \$80.00	= \$0.00
If any Multiple Dependent Claim(s) present:			+	\$270.00	= \$0.00
				SUBTOTAL:	= \$836.00
<input type="checkbox"/>				Small Entity Fees Apply (subtract 1/2 of above):	= \$0.00
				TOTAL FILING FEE:	= \$0.00

☒ A check in the amount of \$836.00 to cover the filing fee is enclosed.

☐ The required filing fees are not enclosed but will be submitted in response to the Notice to File Missing Parts of Application.

☒ The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

Date 20 February 2001

By George E. Quiller 32,792

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[54] **MAGNETORESISTANCE EFFECT ELEMENT
WITH IMPROVED ANTIFERROMAGNETIC
LAYER**

[75] **Inventors:** Susumu Hashimoto, Ebina; Yuzo
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[73] **Assignee:** Kabushiki Kaisha Toshiba,
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[21] **Appl. No.:** 204,676

[22] **Filed:** Mar. 2, 1994

[30] **Foreign Application Priority Data**

Mar. 3, 1993 [JP] Japan 5-043025

[51] **Int. Cl.⁶** G11B 5/39

[52] **U.S. Cl.** 360/113; 324/252; 338/32 R

[58] **Field of Search** 360/113; 428/900,
428/472, 611, 632, 928; 324/252; 338/32 R;
427/131

[56] **References Cited**

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Assistant Examiner—William R. Korzuch

Attorney, Agent, or Firm—Finnegan, Henderson, Farabow,
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. 016907/0935

J1036 U.S. PRO
09/785458
02/20/01

In re reissue patent application of

Susumu Hashimoto et al.

Serial No: Not yet assigned

Application for reissue of U.S. Patent No.
5,552,949, granted September 3, 1996

Filed: Herewith

For: MAGNETORESISTANCE EFFECT ELEMENT WITH IMPROVED
ANTIFERROMAGNETIC LAYER

CERTIFICATE UNDER 37 C.F.R. 3.73(b)

/KABUSHIKI KAISHA TOSHIBA, a corporation, certifies that
it is the assignee of the entire right, title and interest
in the patent application identified above by virtue of
either:

A. ☒ An assignment from the inventor(s) of the patent
application identified above. The assignment was recorded
in the Patent and Trademark Office at Reel 6965 , Frame 306 ,
or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the
patent application
identified above, to the current assignee as shown below:

100220-3443400

1. From:

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The document was recorded in the Patent and Trademark Office at Reel , Frame , or for which a copy thereof is attached.

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[] Additional documents in the chain of title are listed on a supplemental sheet.

[] Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section

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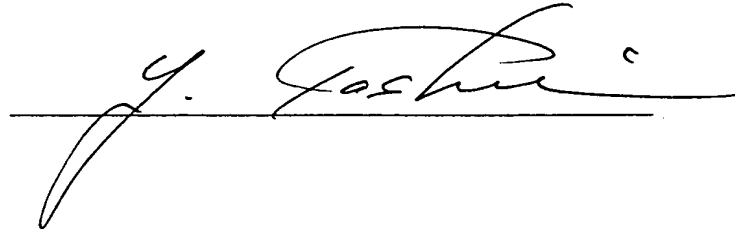
1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: August 27, 1998

Name: Yoshikuni Tashiro

Title: General Manager, Intellectual Property Division

Signature:

A handwritten signature in cursive script, appearing to read 'Y. Tashiro', is written over a horizontal line.

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